

In re Patent Application of:
REDDY
Serial No. 10/025,823
Filing Date: DECEMBER 8, 2001

In the Claims:

1. (Currently amended) A document processing system comprising:

a document scanner;

a document processing device for cooperating with said document scanner to perform copy jobs, and also for performing print jobs and copy jobs;

a print server for sending print jobs to said document processing device; and

a copy station connected to said document processing device, said document scanner and said print server for allowing a user to enable said document processing device and said document scanner to perform a copy job;

said copy station preventing said print server from sending print jobs to said document processing device while said document processing device ~~is~~ and said document scanner are enabled for performing a copy job, and said copy station also preventing a user from enabling said document processing device and said document scanner to perform a copy job while said document processing device is performing a print job.

2. (Original) The document processing system of Claim 1 wherein said document processing device comprises a print queue, and wherein said print server detects whether said document processing device is performing a current print job by polling said print queue.

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3. (Original) The document processing system of Claim 1 wherein said print server detects whether said document processing device is performing a print job, and wherein said copy station determines whether said document processing device is performing a print job by polling said print server.

4. (Currently amended) The document processing system of Claim 1 further comprising at least one alternate document processing device, and wherein said print server diverts pending print jobs to said at least one alternate document processing device based upon at least one of the document processing device and the document scanner being enabled for performing a copy job and based upon the document processing device performing a print job.

5. (Original) The document processing system of Claim 4 wherein said copy station comprises a display, and wherein said copy station cooperates with said print server to display a user message indicating that a pending print job has been diverted to said at least one alternate document processing device.

6. (Original) The document processing system of Claim 1 wherein each copy job has a billing code associated therewith, and wherein said copy station determines a cost associated with each copy job and assigns the cost to the billing code.

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7. (Original) The document processing system of Claim 6 wherein said document processing device performs at least one job attribute, and wherein said copy station detects when said document processing device performs the at least one job attribute and associates an additional cost with the billing code based thereon.

8. (Original) The document processing system of Claim 7 wherein said at least one job attribute comprises sorting, stapling, binding, color printing, printing on predetermined types of paper, and printing on predetermined sizes of paper.

9. (Original) The document processing system of Claim 1 wherein each print job has a billing code associated therewith, and wherein said print server determines a cost associated with each print job and assigns the cost to the billing code.

10. (Original) The document processing system of Claim 1 wherein said copy station enables said document processing device to perform a copy job based upon receiving a valid billing code from a user.

11. (Original) The document processing system of Claim 1 wherein said copy station comprises a display for indicating that said document processing device is unavailable for copying.

12. (Currently amended) A document processing system

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comprising:

a document scanner;

a primary document processing device for cooperating with said document scanner to perform copy jobs, and also for performing print jobs and ~~copy jobs~~;

at least one alternate document processing device for performing at least one of print jobs and copy jobs;

a print server for sending print jobs to said primary and at least one alternate document processing devices; and

a copy station connected to said document processing device and said print server for allowing a user to enable said primary document processing device and said document scanner to perform a copy job based upon receiving a valid billing code from the user;

said copy station preventing said print server from sending print jobs to said primary document processing device while said primary document processing device ~~is~~ and said document scanner are enabled for performing a copy job;

said copy station also preventing a user from enabling said primary document processing device and said document scanner to perform a copy job while said primary document processing device is performing a print job;

said print server diverting pending print jobs to said at least one alternate document processing device based upon at least one of said primary document processing device and said document scanner being enabled for performing a copy job and based upon said primary document processing device performing a

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print job.

13. (Original) The document processing system of Claim 12 wherein said primary document processing device comprises a print queue, and wherein said print server detects whether said primary document processing device is performing a current print job by polling said print queue.

14. (Original) The document processing system of Claim 12 wherein said print server detects whether said primary document processing device is performing a print job, and wherein said copy station determines whether said primary document processing device is performing a print job by polling said print server.

15. (Original) The document processing system of Claim 12 wherein said copy station comprises a display, and wherein said copy station cooperates with said print server to display a user message indicating that a pending print job has been diverted to said at least one alternate document processing device.

16. (Original) The document processing system of Claim 12 wherein said copy station determines a cost associated with each copy job and assigns the cost to the billing code.

17. (Original) The document processing system of Claim

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16 wherein said primary document processing device performs at least one job attribute, and wherein said copy station detects when said primary document processing device performs the at least one job attribute and associates an additional cost with the billing code based thereon.

18. (Original) The document processing system of Claim 17 wherein said at least one job attribute comprises sorting, stapling, binding, color printing, printing on predetermined types of paper, and printing on predetermined sizes of paper.

19. (Original) The document processing system of Claim 12 wherein each print job has a billing code associated therewith, and wherein said print server determines a cost associated with each print job and assigns the cost to the billing code.

20. (Original) The document processing system of Claim 12 wherein said copy station comprises a display for indicating that said primary document processing device is unavailable for copying.

21. (Currently amended) A method for controlling a document processing device for performing print jobs and for cooperating with a document scanner for performing copy jobs, the method comprising:

preventing a user from enabling the document processing

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device and the document scanner to perform a copy job when the document processing device is performing a print job; and preventing print jobs from being sent to the document processing device to be performed when the document processing device ~~is~~ and the document scanner are enabled for performing a copy job.

22. (Currently amended) The method of Claim 21 further comprising diverting pending print jobs to an alternate document processing device based upon at least one of the document processing device and the document scanner being enabled for performing a copy job and based upon the document processing device performing a print job.

23. (Original) The method of Claim 22 further comprising providing a message to a user when a pending print job has been diverted to the at least one alternate document processing device.

24. (Original) The method of Claim 21 wherein each print job and copy job has a billing code associated therewith, and further comprising determining a cost associated with each copy job and print job and assigning the cost to the billing code.

25. (Original) The method of Claim 24 wherein the document processing device performs at least one job attribute,

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and further comprising detecting when the document processing device performs the at least one job attribute and associating an additional cost with the billing code based thereon.

26. (Original) The method of Claim 25 wherein the at least one job attribute comprises sorting, stapling, binding, color printing, printing on predetermined types of paper, and printing on predetermined sizes of paper.

27. (Original) The method of Claim 21 further comprising providing a user with a message indicating that the document processing device is unavailable for copying.

28. (Currently amended) A computer-readable medium having computer-executable instructions for performing steps for controlling a document processing device for performing print jobs and for cooperating with a document scanner for performing copy jobs, the steps comprising:

preventing a user from enabling the document processing device and the document scanner to perform a copy job when the document processing device is performing a print job; and

preventing print jobs from being sent to the document processing device to be performed when the document processing device ~~is~~ and the document scanner are enabled for performing a copy job.

29. (Currently amended) The computer-readable medium

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of Claim 28 having further computer-executable instructions for performing a step of diverting pending print jobs to an alternate document processing device based upon at least one of the document processing device and the document scanner being enabled for performing a copy job and based upon the document processing device performing a print job.

30. (Original) The computer-readable medium of Claim 29 having further computer-executable instructions for performing a step of providing a message to a user when a pending print job has been diverted to the at least one alternate document processing device.

31. (Original) The computer-readable medium of Claim 28 wherein each print job and copy job has a billing code associated therewith, and wherein the computer-readable medium further comprises computer-executable instructions for performing a step comprising determining a cost associated with each copy job and print job and assigning the cost to the billing code.

32. (Original) The computer-readable medium of Claim 31 wherein the document processing device performs at least one job attribute, and wherein the computer-readable medium further comprises computer-executable instructions for performing steps comprising detecting when the document processing device performs the at least one job attribute and associating an additional cost with the billing code based thereon.

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33. (Original) The computer-readable medium of Claim 32 wherein the at least one job attribute comprises sorting, stapling, binding, color printing, printing on predetermined types of paper, and printing on predetermined sizes of paper.

34. (Original) The computer-readable medium of Claim 28 having further computer-executable instructions for performing a step of providing a user with a message indicating that the document processing device is unavailable for copying.